CS 547 Web Scripting

Assignment 1: PHP Dynamic Web Site – AztecA Book Publishing

Due Date: April 6th , 2015 5:30 pm PST

Points: 200

Description: You are the webmaster for a fictitious online book publisher Azteka Book Corp ( ABCorp.com). ABC Corp needs a dynamic website to help manage, publish, and sell books. You will be using PHP and MySQL to create a website for AztekA Book Corp as your first assignment. The requirements for the website are as follows.

1. The website will be written in PHP and implement an access control system storing user account and role information in the MySQL database. The access control will implement the following roles
   1. Role= null (or none) – Unauthenticated users (this is the public visiting your website, or a user that has not registered with your website yet.
   2. Role= member – authenticated user with minimal permission. A new user that can order a book from you
   3. Role= author – authenticated user with the ability to add a new book. This user can edit and delete any book that they are the author of. This user cannot create edit or delete the price of a book.
   4. Role= publisher – authenticated user with all the abilities of an author, but also can set edit and change the price of a book. This user can edit if a book is displayed on the best seller list. Publishers have the ability to mark a book as published.
   5. Role= admin – authenticated super user with all the abilities of a publisher, but can also promote lower level users to any role below theirs.
2. The website must have a publicly available home page with a navigation tab that for unauthenticated users displays
   1. Home page
   2. About page
   3. Registration page
   4. Best Seller Listing page
   5. Log in

For authenticated users they will see the same navigation tabs as unauthenticated users, plus an additional administrative page appropriate to for the level of their role. To be specific, a registered **member** will see

1. Home page
2. About page
3. Registration page
4. Best Seller Listing page
5. **Member** Admin page
6. Log out

And an **author** will see

1. Home page
2. About page
3. Registration page
4. Best Seller Listing page
5. **Member** Admin page
6. **Author** Admin page
7. Log out

And a **publisher** will see

1. Home page
2. About page
3. Registration page
4. Best Seller Listing page
5. **Member** Admin page
6. **Author** Admin page
7. **Publisher** Admin page
8. Log out

And an **Admin** will see

1. Home page
2. About page
3. Registration page
4. Best Seller Listing page
5. **Author** Admin page
6. **Publisher** Admin page
7. **Admin** Admin page
8. Log out
9. The website must use session variables to keep track of the authentication status of your users. Users should be logged out after 3 minutes of inactivity. Sessions may be used to present a ‘Welcome UserName’ message somewhere on the page ( nav bar).
10. The home page shall display a list of books that AztekA Books has published and available for purchase. This list should be sortable and have appropriate pagination.
11. The website shall use a cookie to keep track of the number of times an unauthenticated user has visited the main page and the best sellers list.

For an authenticated user, the website shall use a cookie(s) to keep track of the last time accessed, and the last IP address the authenticated user visited the site.

Other notes: You are responsible for designing the database. You can use any tools to design the database, but you must include the scripts necessary to implement your website.

Turning in your assignment

We will be using blackboard to turn in the assignment. Your filles will be zipped up as a zip formatted archive and uploaded to your blackboard account.

Further details will be announced on the website. This assignment will be amended.